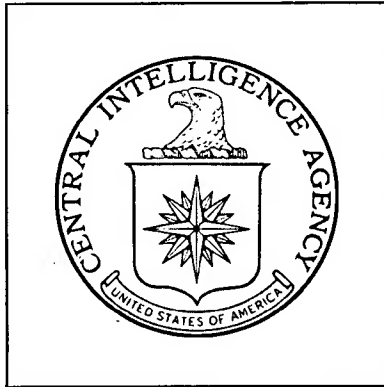


Top Secret



**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Major Electric Power Plants

Liaoning Province, China

Top Secret

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DATE FEBRUARY 1970
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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

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ABSTRACT

This report, based on late 1968 and 1969 photography, updates the previous Basic Imagery Interpretation Briefs and Reports on 15 of the 16 major electric power plants in Liaoning Province, northeast China. The sixteenth plant, the Supung-dong Hydro Power Plant, has not been seen on interpretable photography since the previous report. The cutoff date for information in this report is September 1969.

Since 1968, a double-unit boiler has been installed and was seen operating at the Shen-yang Thermal Power Plant Tieh-hsi. Two cooling towers were removed from the Chin-chou plant between November 1967 and September 1968. No construction or dismantling has been observed at the other 13 plants since the previous reports.

On the latest photographic coverage, 11 of the plants were observed in operation. The Shen-yang Thermal Power Plant Northeast and the Chin-chou plant did not appear to be in operation. The Kai-yuan plant was not completed and appeared to be inactive. The Fu-shun Dam and Hydro Power Plant appeared to be operating in August but not in November 1968 when it was last observed.

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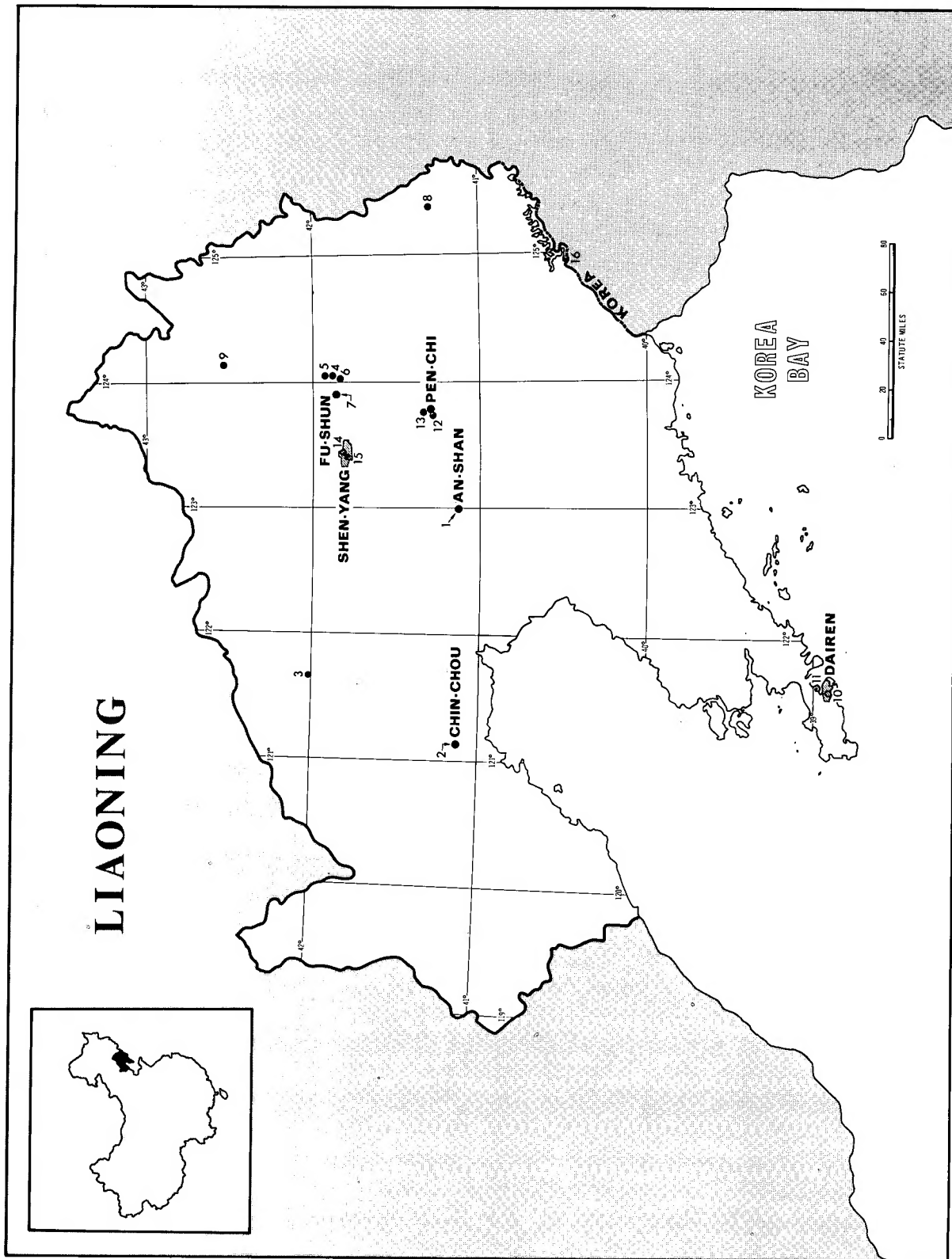


FIGURE 1. LOCATION MAP.

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INTRODUCTION

This report presents information on the current status of 15 of the major electric power plants in Liaoning Province and describes any changes since the previous reports.

The following list of the major electric power plants in Liaoning Province is keyed to Figure 1.

1. An-shan Heat and Thermal Power Plant Steel Plant.
2. Chin-chou Thermal Power Plant Synthetic Fuels Plant.
3. Fou-hsin Thermal Power Plant.
4. Fu-shun Dam and Hydro Power Plant Ta-huo-fang.
5. Fu-shun Heat and Thermal Power Plant Liao-ning.
6. Fu-shun Thermal Power Plant Shale Oil Plant No. 2.
7. Fu-shun Thermal Power Plant Tai-kan-ton.
8. Huan-jen Hydro Power Plant Hun-chiang.
9. Kai-yuan Thermal Power Plant Ching-ho.
10. Lu-ta (Dairen) Thermal Power Plant No. 1 Amanogawa.
11. Lu-ta Heat and Thermal Power Plant No. 2 Kan-ching-tzu.
12. Pen-chi Heat and Thermal Power Plant No. 3 Steel Plant.
13. Pen-chi Thermal Power Plant No. 2 Steel Plant.
14. Shen-yang Thermal Power Plant Northeast.
15. Shen-yang Thermal Power Plant Tieh-hsi.
16. Supung-dong Hydro Power Plant and Dam Suiho.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Chin-chou Thermal Power Plant Synthetic Fuels Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TUF415542	41-07-57N 121-05-52E	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet 0289-19HL, 2nd ed, Mar 63, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
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BASIC DESCRIPTION

There has been no construction at the Chin-chou Thermal Power Plant since November 1967, the date of the latest photography used in the previous report. The partially completed southern section of the boilerhouse remained unchanged. Between November 1967 and September 1968 the two remaining cooling towers were removed, but the plant is still considered to be operational.

The plant was not in operation when observed in September 1968 or May 1969. No smoke or other vapors were seen emanating from the plant. It was last observed in operation in January 1965.

REFERENCES

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CIA. BCS. 13/0051/69, Chin-chou Thermal Power Plant (Synthetic Fuels Plant), October 1968, TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Fu-shun Dam and Hydro Power Plant Ta-huo-fang		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWG911372	41-52-50N 124-05-29E	
MAP REFERENCE		
USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, Scale 1:200,000 (SECRET/)		
LATEST IMAGERY USED		NEGATION DATE (If required)
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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Dam and Hydro Power Plant Ta-huo-fang since February 1968, the date of the latest photography used in the previous report.

The plant appeared to be in operation in August 1968. Water turbulence was observed in the tailrace. In November 1968 the plant was inactive as evidenced by the absence of water in the tailrace.

REFERENCES

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Document

CIA. BCS 13/0030/69, Fu-shun Dam and Hydro Power Plant (Ta-huo-fang),
September 1968, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Fu-shun Heat and Thermal Power Plant Liao-ning

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

51TWG910415

41-55-11N 124-05-32E

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MAP REFERENCE

USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Heat and Thermal Power Plant Liao-ning since February 1968, the date of the latest photography used in the previous report.

The plant was operating in November 1968. Heavy smoke was observed emanating from at least two of the three stacks.

REFERENCES

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Document

CIA. BCS 13/0027/69, Fu-shun Heat and Thermal Power Plant (Liao-ning), September 1968, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Fu-shun Thermal Power Plant Shale Oil Plant No. 2		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TWG874315	41-49-45N 124-02-55E	
MAP REFERENCE		
USATC, Series 200, Sheet M0290-IIHL, 4th ed, Jan 66, Scale 1:200,000		
(SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
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BASIC DESCRIPTION

No changes have been observed at the Fu-shun Thermal Power Plant Shale Oil Plant No. 2 since February 1968, the date of the latest photography used in the previous report.

The plant was operating in November 1968. Smoke was observed emanating from the stack.

REFERENCES

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CIA. BCS 13/0026/69, Fu-shun Thermal Power Plant (Shale Oil Plant No. 2) September 1968, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Huan-jen Hydro Power Plant Hun-chiang

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

5ITYF022710

41-17-00N 125-23-53E

MAP REFERENCE

USNOO. USATC, Series 200, Sheet M0290-17HL, 4th ed, Apr 68, Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

BASIC DESCRIPTION

No changes have been observed at the Huan-jen Hydro Power Plant Hun-chiang since January 1968, the date of the latest photography used in the previous report.

The plant appeared to be in operation in May 1969. Water turbulence was observed in the tailrace.

REFERENCES

Document

CIA. BCS 13/0072/69, Huan-jen Hydro Power Plant (Hun-chiang), December 1968, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Kai-yuan Thermal Power Plant Ching-ho

CH

UTM COORDINATES

51TWH955107

GEOGRAPHIC COORDINATES

42-32-31N 124-09-31E

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MAP REFERENCE

USNOO. USATC, Series 200, Sheet M0290-6HL, 4th ed. Feb 68. Scale 1:200,000
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LATEST IMAGERY USED

NEGATION DATE (If required)

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BASIC DESCRIPTION

The Kai-yuan Thermal Power Plant Ching-ho remains incomplete. No significant construction has been observed at the site since [] and it appears to be inactive.

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REFERENCES

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CIA. BCS 13/0036/69, Kai-yuan Thermal Power Plant Ching-ho, September 1968, [] (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Lu-ta Thermal Power Plant No. 1 Amanogawa		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51SUD775065	38-54-09N 121-34-56E	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet M0381-9HL, 3rd ed, May 67, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Lu-ta Thermal Power Plant No. 1 since June 1968, the date of the latest photography used in the previous report.

The plant was operating in August 1969. Smoke was observed emanating from two of the four stacks.

REFERENCES

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CIA. BCS 13/0087/69, Lu-ta Thermal Power Plant 1 Amanogawa, January 1969,
(TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Lu-ta Heat and Thermal Power Plant No. 2 Kan-ching-tzu		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
51SUD813128	38-57-34N 121-37-38	
MAP REFERENCE		
15th RTS. USATC, Series 200, Sheet M0381-10HL, 3rd ed, May 67, Scale 1:200,000 (SECRET, [REDACTED])		
LATEST IMAGERY USED		NEGATION DATE (If required)
[REDACTED]		NA

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BASIC DESCRIPTION

No changes have been observed at the Lu-ta Heat and Thermal Power Plant No. 2 since September 1968, the date of the latest photography used in the previous report.

The plant was operating in August 1969. Smoke was observed emanating from two of the five stacks. The status of the other three stacks, which were obscured by smoke, could not be determined.

REFERENCES

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Document

CIA. RCS 13/0110/69, Selected Chinese Power Plants, May 1969, [REDACTED]
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INSTALLATION OR ACTIVITY NAME		COUNTRY
Supung-dong Hydro Power Plant and Dam Suiho		KN
UTM COORDINATES	GEOGRAPHIC COORDINATES	
51TXE65479	40-27-22N 124-57-46E	
MAP REFERENCE		
548th RTS. USATC, Series 200, Sheet M0290-22HL, 4th ed, Sep 66, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

Since the previous report, the Supung-dong Hydro Power Plant has been seen only once, on poor-quality photography of May 1969. The quality of the photography precluded analysis of the plant.

REFERENCES

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Document

CIA. RCS 13/0110/69, Selected Chinese Power Plants, May 1969, (TOP SECRET RUFF)

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